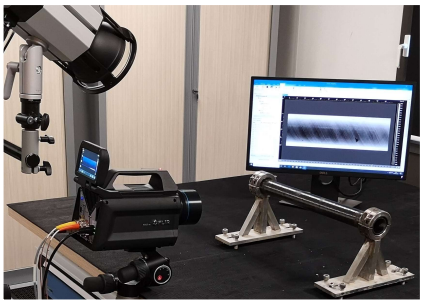
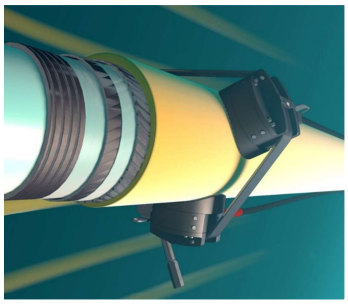
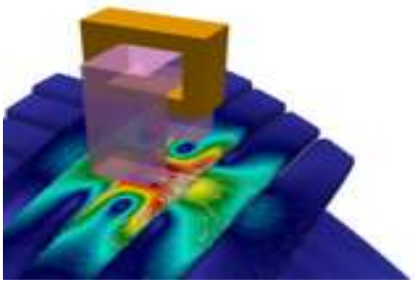
Where energies make tomorrow

Solutions for NonDestructive Testing (NDT)

Monitoring and inspection of parts and structures

Examples of applications

- Customer support for the inspection of new materials and the deployment of dedicated procedures
- Development of inspection and monitoring tools
- Structures damage surveillance, qualification tests in laboratory or on site monitoring
- Followup of damage before and after mechanical tests (in connection with our mechanical testing laboratory)
- Active infrared detection of cracks, porosities, delamination, inclusion, water, poor interlayer welding, lack or excess of glue
- Inspection of tubes and plates (composite, PE, steel...)
- Control of equipment for transport and storage of chemical and petrochemical products
- Corrosion detection and control
- Periodic pressure vessels requalification check

Our NDT expertise

Ultrasonic Technology

Inspection of materials, composite parts and steel and development of specific inspection tools

Infrared Thermography

Expertise in active infrared thermography for the detection of surface and sub-surface defects on composite and polymer materials

Electromagnetism

Expertise on a wide range of technologies such as eddy current, impedance measurement and ACFM (Alternative Current Field Measurement)

Acoustic Emission

Double expertise in acoustic emission and mechanics for the integrity control of materials and structures submitted to mechanical stresses

Our means

Dedicated NDT laboratory equipped with the following means:

- Vallen acquisition system for acoustic emission monitoring
- Olympus Omniscan Mx2 and Eddyfi Gekko ultrasonic systems with single-element, multi-element, matrix sensors
- Ultrasonic inspection tanks 4 axes
- Electromagnetic systems Eddyfi Ectane 2, Sensima UPEC, Suragus TF Inline
- Complete active IR system with X6520sc quantum infrared camera
- Acquisition and processing software (Tomoview, Civa analysis, Matlab)

Synergy between our design office, mechanical laboratory and our NDT solutions to meet the needs of our customers

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